

What is claimed is:

1. An air intake system for supplying air to an engine of a forklift, comprising:

a tower provided on a top surface of a body frame, said tower having a space interiorly;

a pillar mounted on said tower, said pillar having a passageway interiorly;

an air intake port provided in said pillar, said air intake port communicating with said passageway, said passageway and said space within said tower being connected together;

an expansion silencer connected to said space of said tower; and

an air cleaner connected to said expansion silencer.

2. The air intake system according to claim 1, wherein said air cleaner is placed above said expansion silencer.

3. The air intake system according to claim 1, wherein a resonance silencer is connected to said expansion silencer.

4. The air intake system according to claim 1, wherein said space of said tower is an expansion chamber.

5. The air intake system according to claim 1, wherein a resonance chamber is provided within said expansion silencer.

6. The air intake system according to claim 1, wherein said expansion silencer is made of resin.

7. The air intake system according to claim 6, wherein a reinforcement rib is formed on an outer peripheral surface of said expansion silencer.

8. The air intake system according to claim 1, wherein a working oil tank is constituted in a side portion of said body frame, a top surface of said working oil tank is rendered lower in height than an upper end of a side plate forming a side wall of said working oil tank, whereby a space is formed above said top surface of said working oil tank, and said expansion silencer is provided in said space.

9. The air intake system according to claim 8, wherein a base bracket is mounted to an underside of said air cleaner, a support bracket is mounted on an upper portion of said side plate, and said base bracket is mounted on said support bracket, whereby said air cleaner is supported above said expansion silencer.

10. A forklift equipped with the air intake system according to any one of claims 1 to 9.